

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10624 - L2 Version 4
Chandra X-Ray Center

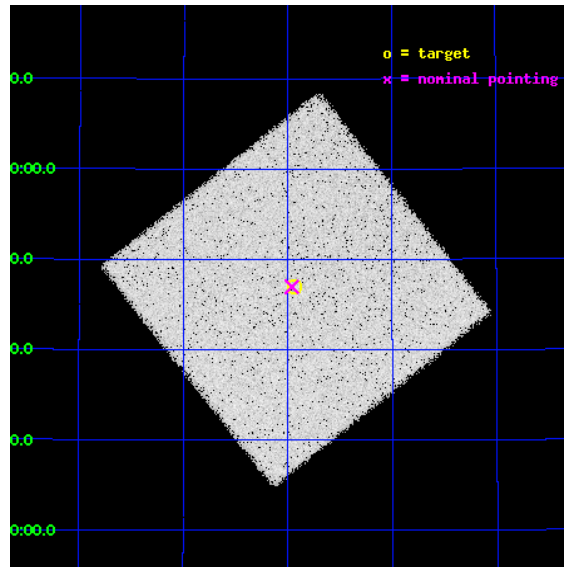
L2 Processing Date : Aug 12 2012

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1 Front

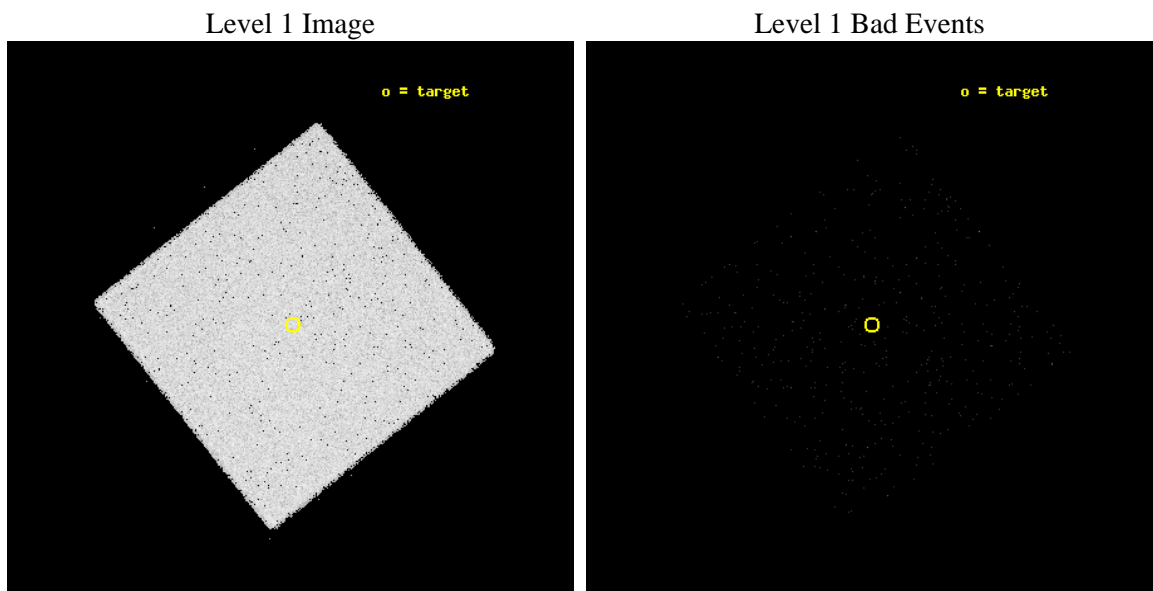
seq_num	290860	Sequence number
obs_id	10624	Observation id
title	AO-10 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.24019410216	Nominal RA [deg]
dec_nom	38.782782529953	Nominal Dec [deg]
roll_nom	6.6197377274041	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2188.6313582063	[s]
liveltime	2160.8309084811	Ontime multiplied by DTCOR
l2events	175327	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2188.6313582063	[s]
caldbver	4.5.1.1	 	l1events	265892	Number of level 1 events
date	2012-08-13T01:22:46	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

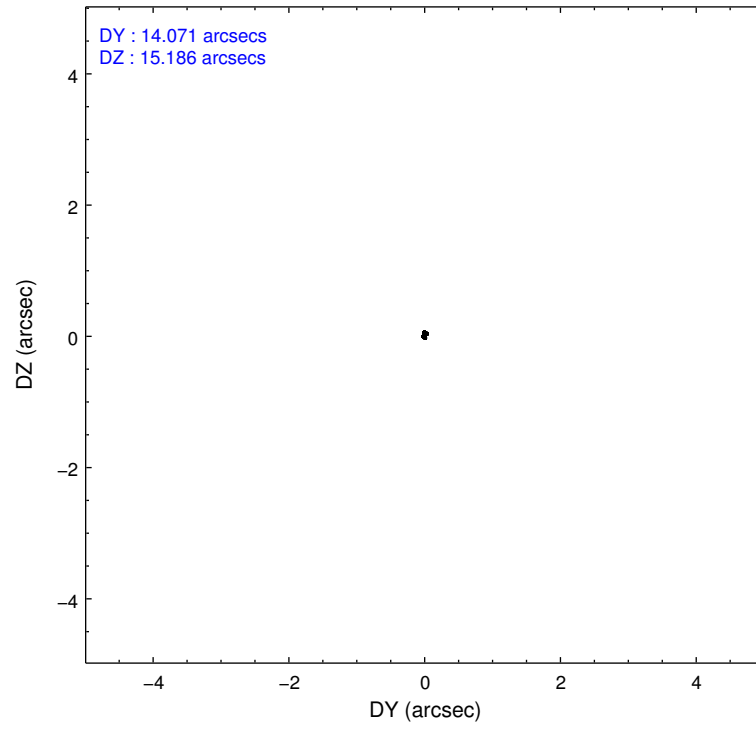
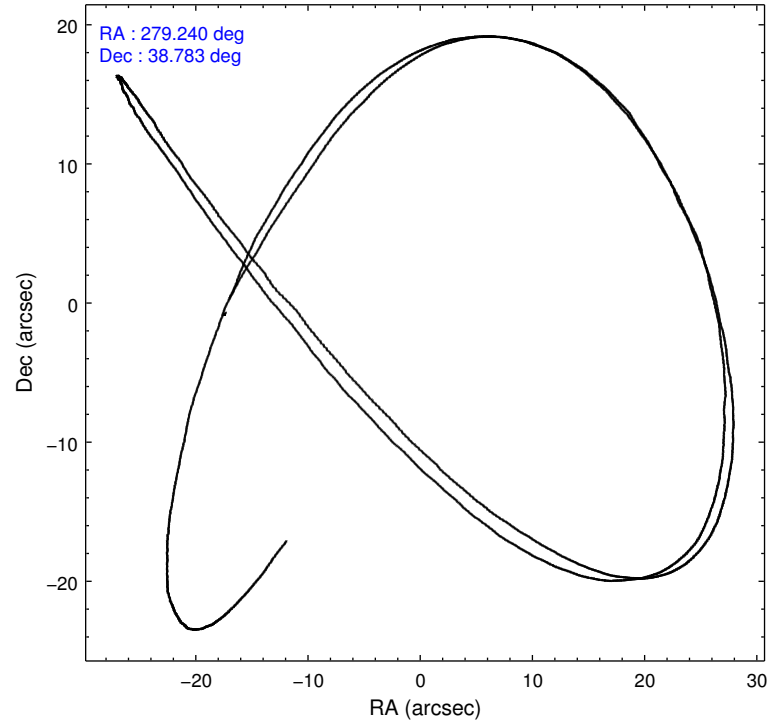
	segment 0
level 1 events	265892
rejected events	16500
rejected %	6%

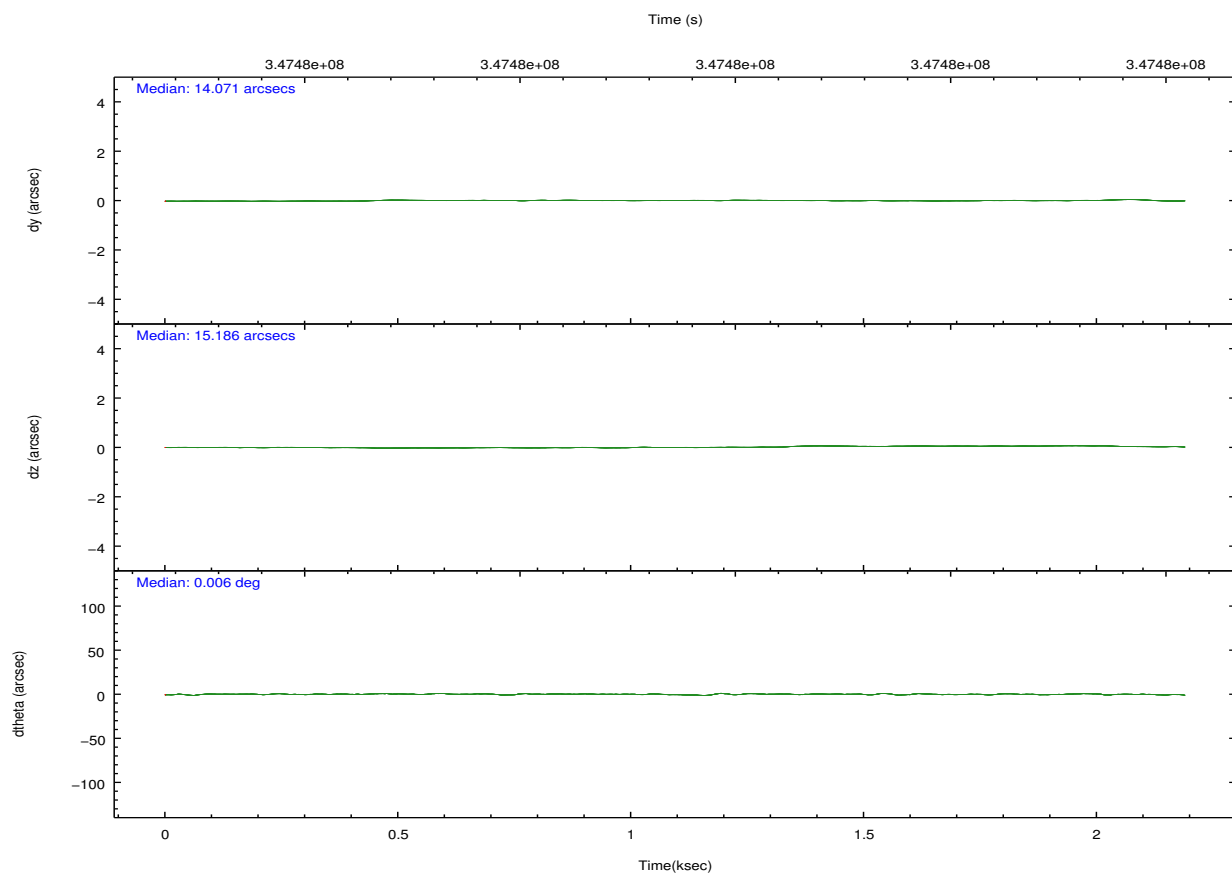
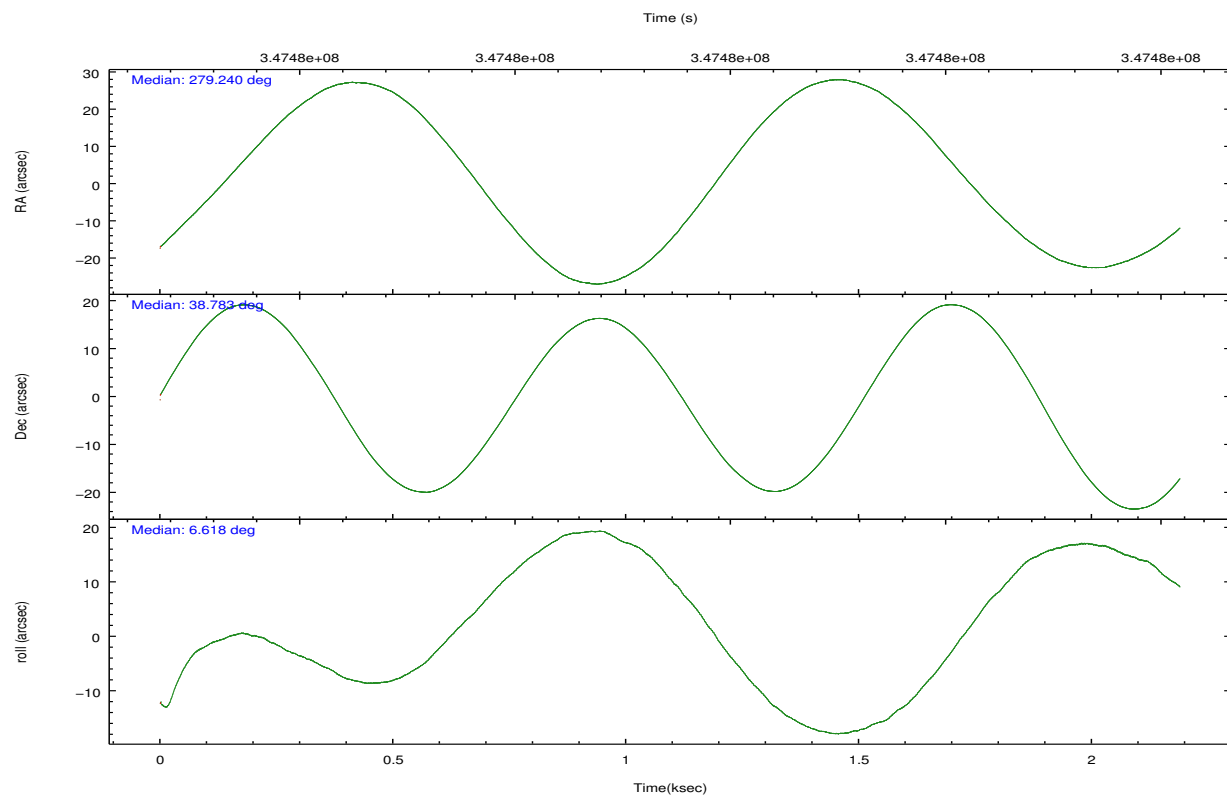
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.212725	279.2401941021564
[deg] Pointing Dec	38.765956	38.78278252995268
[deg] Pointing Roll	6.732554	6.619737727404124
[s] Window start time (MET)	344476865.184000	344476865.184000
[s] Window stop time (MET)	352166466.184000	352166466.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	347478463.184000	347478044.21364
Observation start date	2009-01-04T17:46:37	2009-01-04T17:40:44
[s] Observation end time (MET)	347480463.184000	347481457.97631
Observation end date	2009-01-04T18:19:57	2009-01-04T18:37:37

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



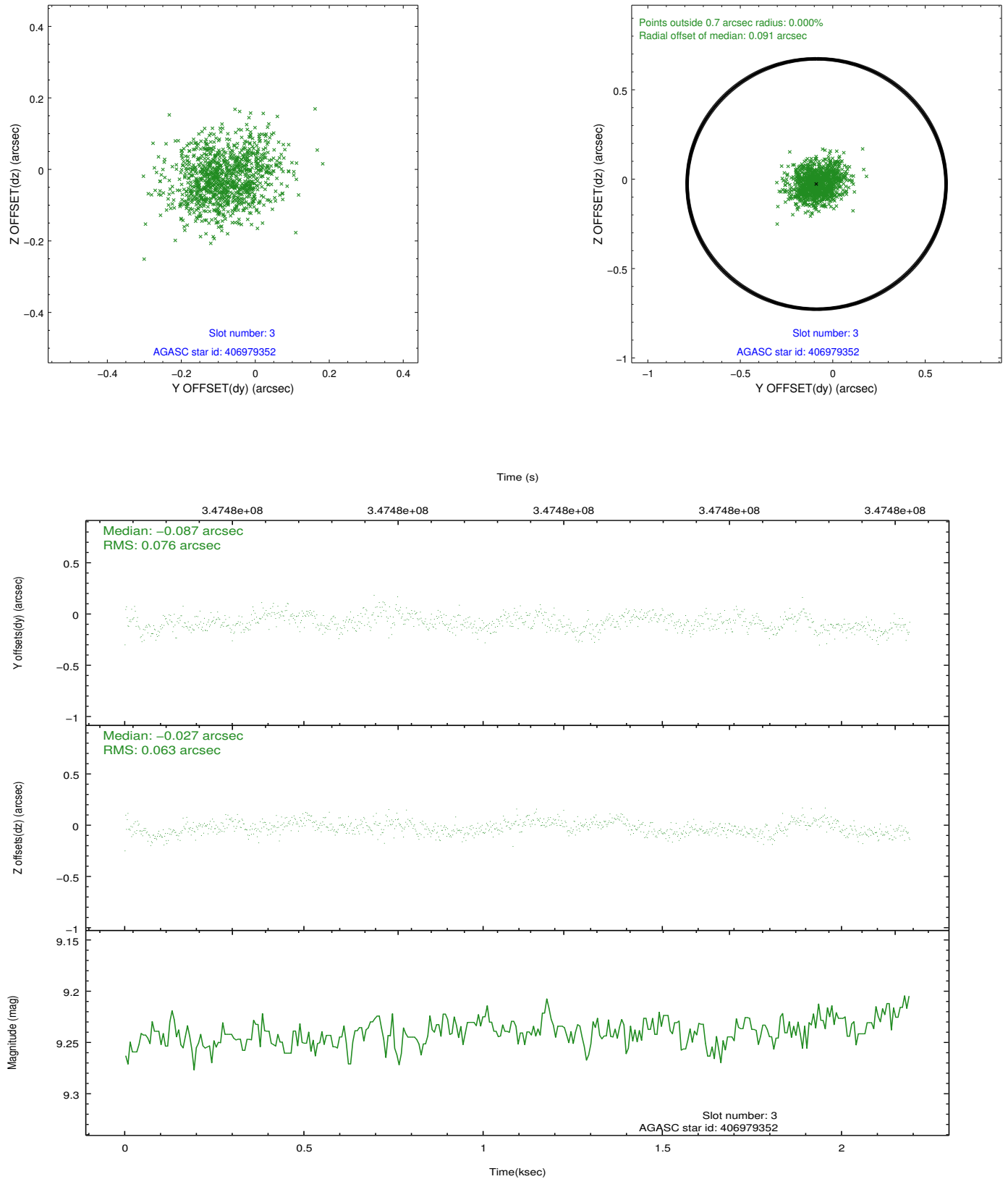


Slot Statistics

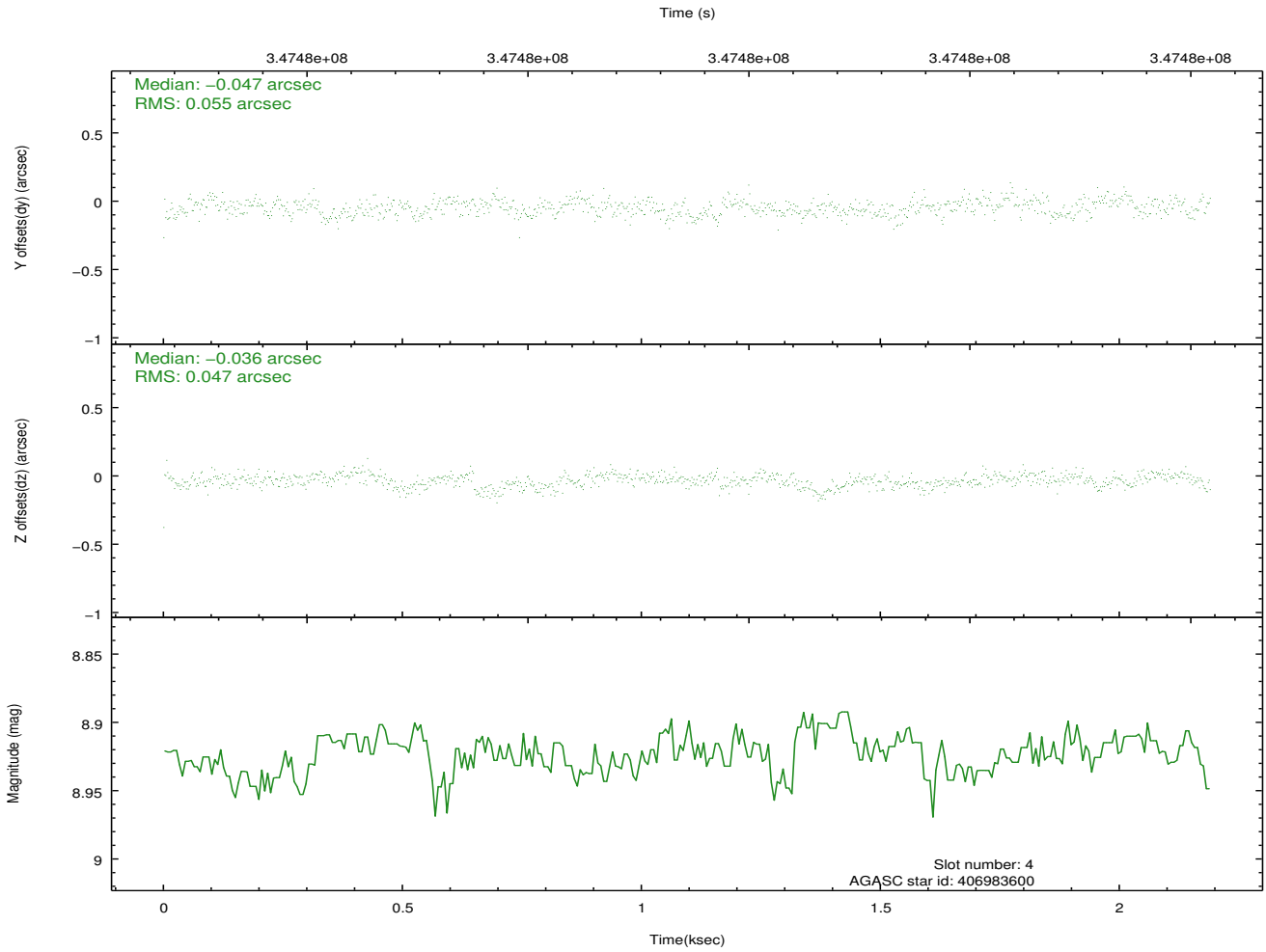
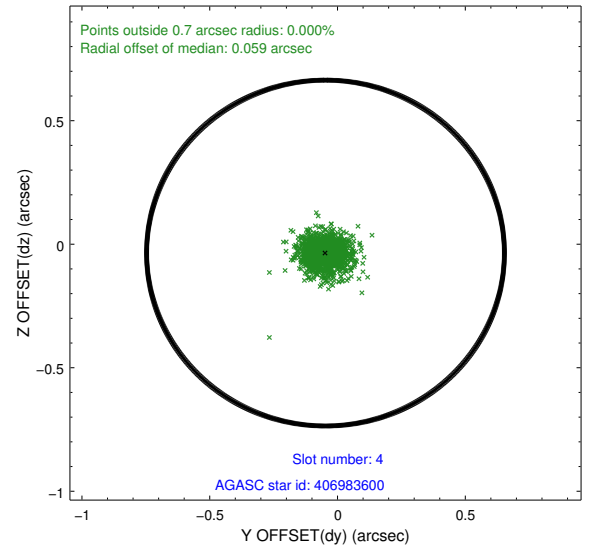
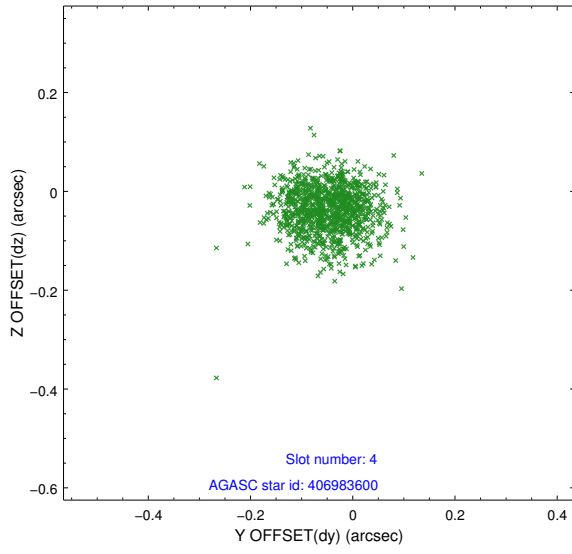
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	535	-0.106	-0.004	0.007	0.012	0.000000	0.000000	-769.90	-1303.37
1	FID	HRC-I-2	7.02	535	0.247	-0.106	0.005	0.009	0.000000	0.000000	841.65	-1307.42
2	FID	HRC-I-3	7.07	535	-0.022	0.020	0.006	0.012	0.000000	0.000000	-1196.81	998.76
3	GUIDE	406979352	9.24	1068	-0.087	-0.027	0.104	0.170	279.968297	39.230258	2289.69	1419.96
4	GUIDE	406983600	8.92	1068	-0.047	-0.036	0.076	0.120	279.940957	39.020708	2134.28	680.26
5	GUIDE	406987272	6.95	1069	-0.009	0.061	0.068	0.112	278.536588	38.437504	-2029.16	-942.99
6	GUIDE	406989616	8.24	1069	0.135	-0.001	0.078	0.121	279.202881	38.520843	-132.45	-874.28
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

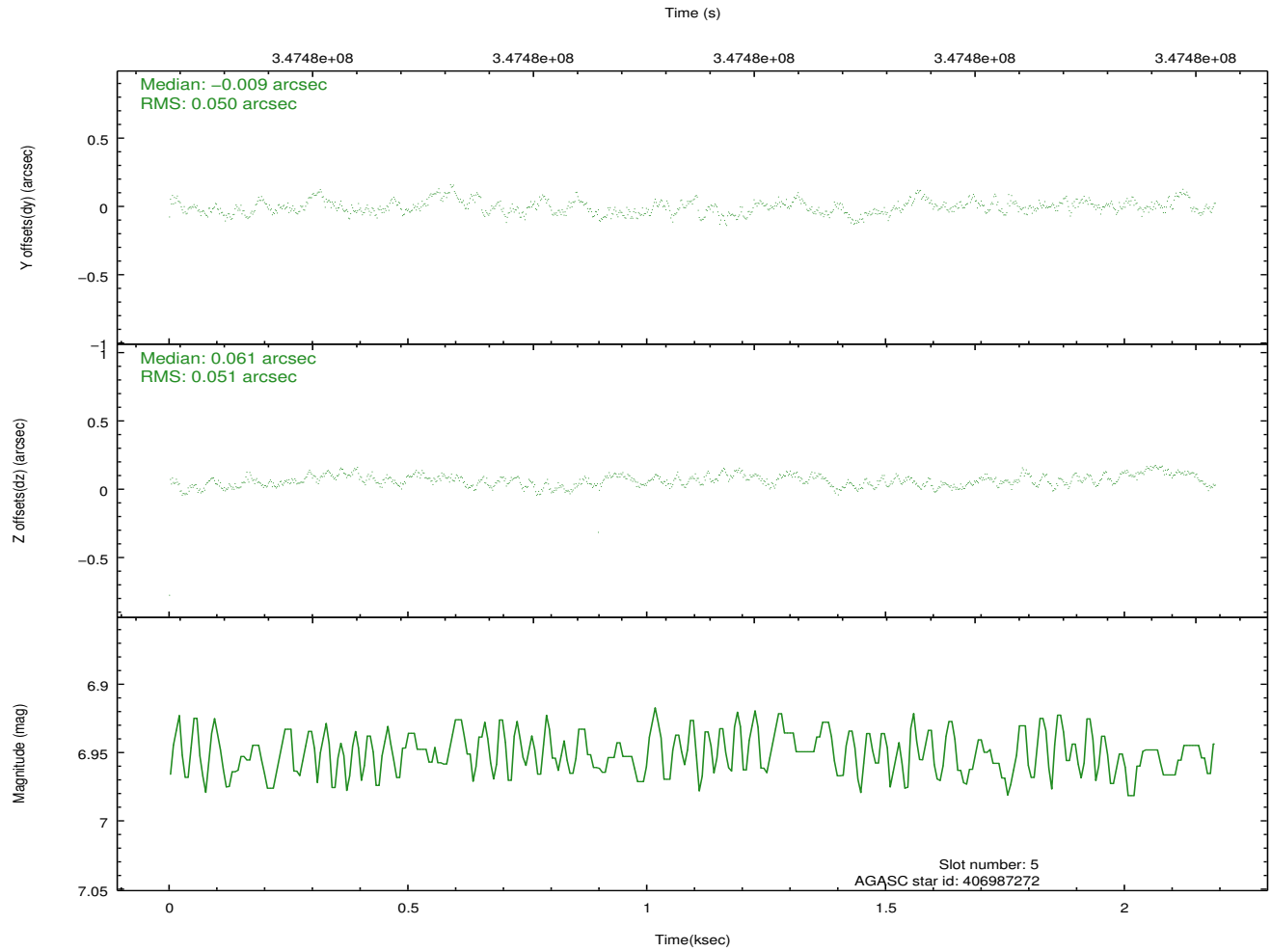
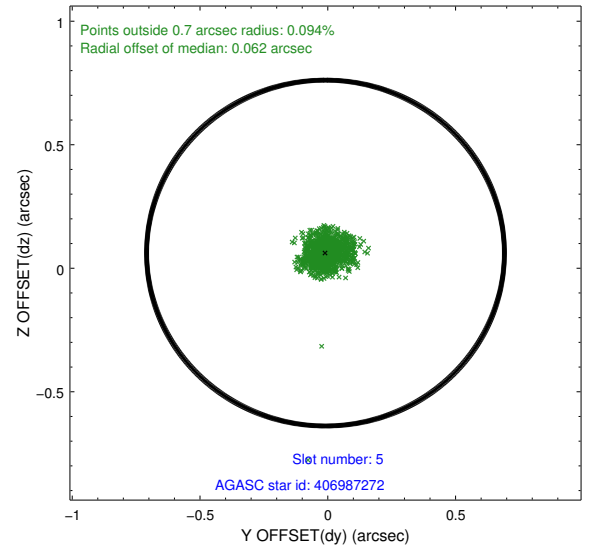
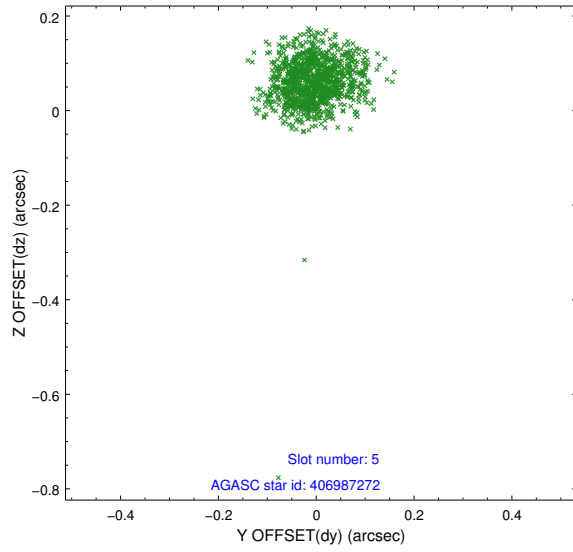
2.4.1 Slot 3



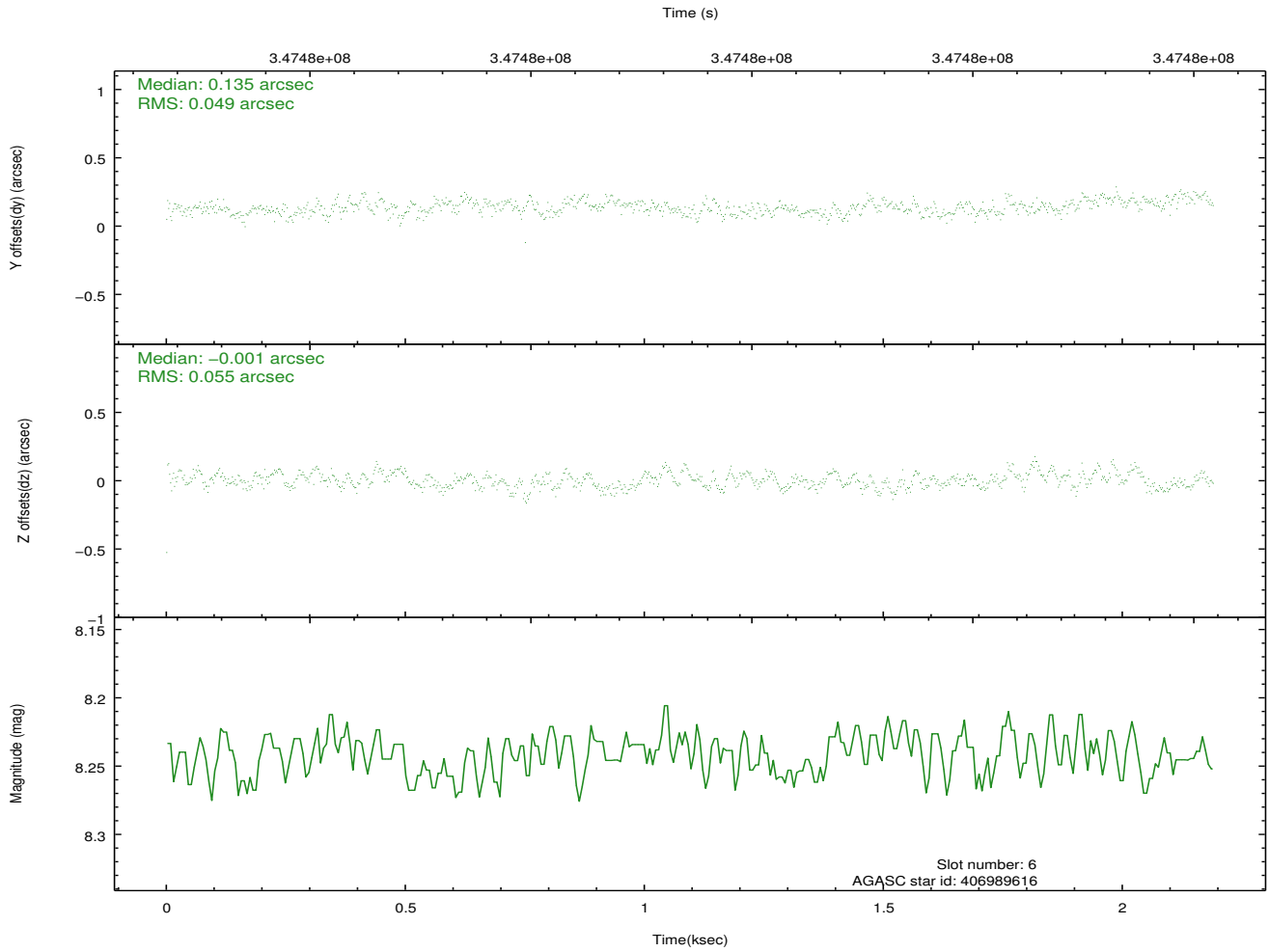
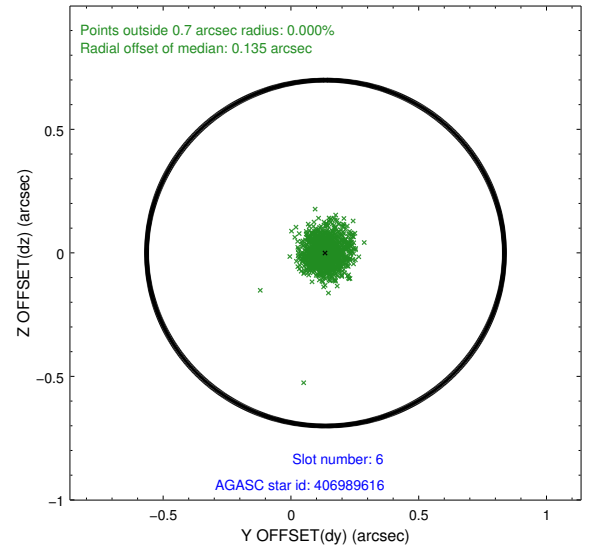
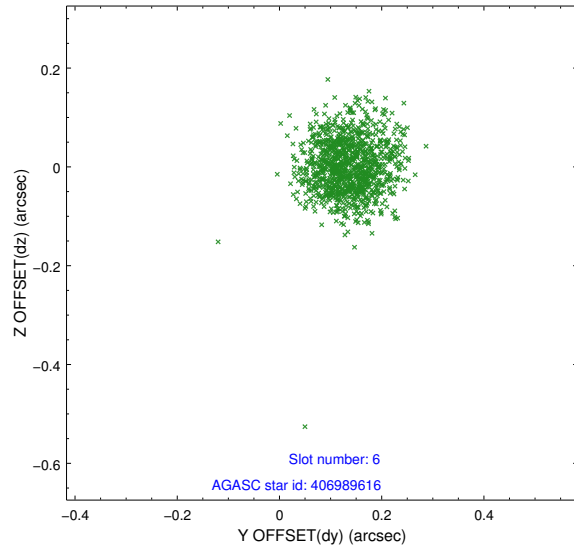
2.4.2 Slot 4



2.4.3 Slot 5

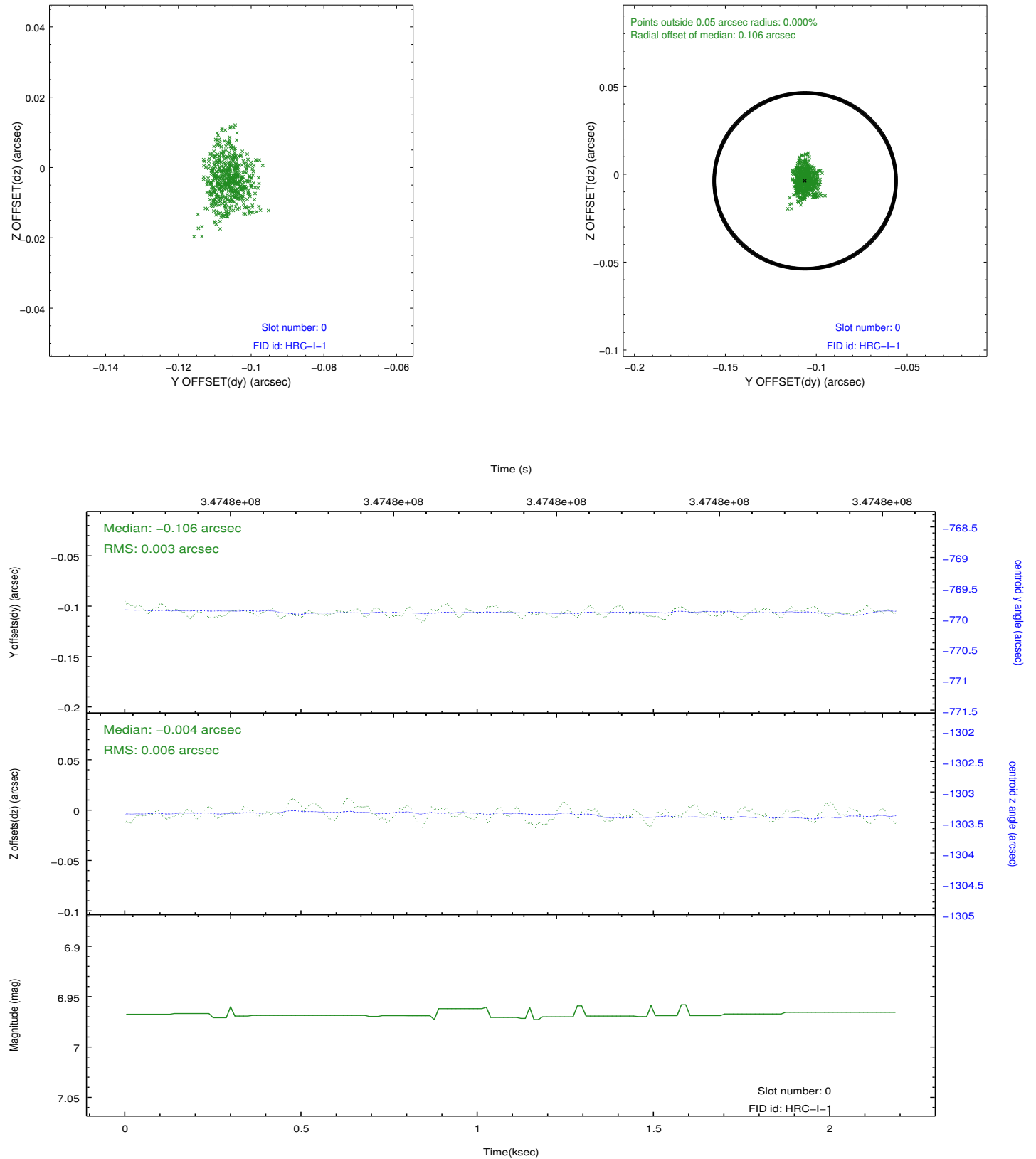


2.4.4 Slot 6

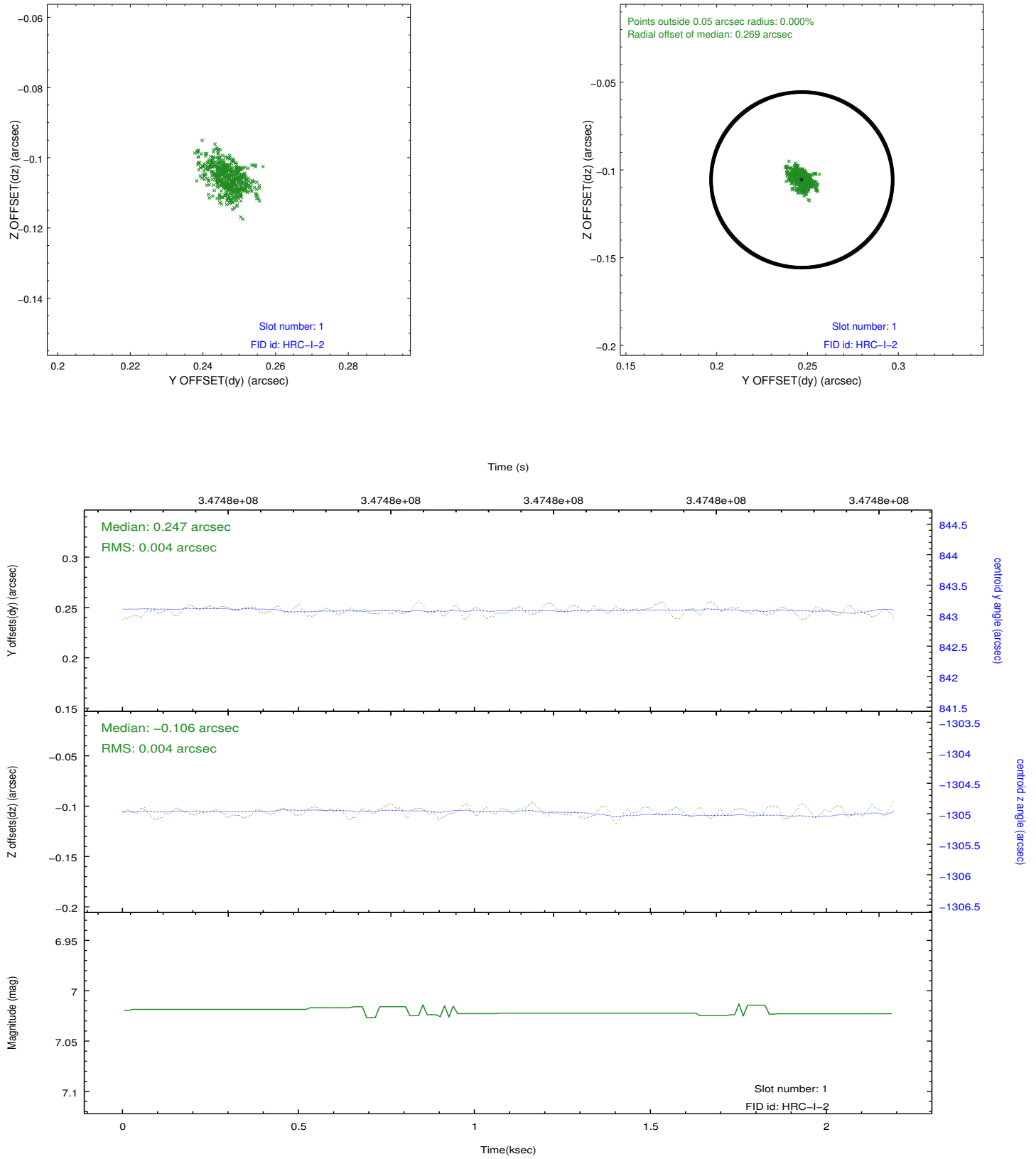


2.5 FID Slots

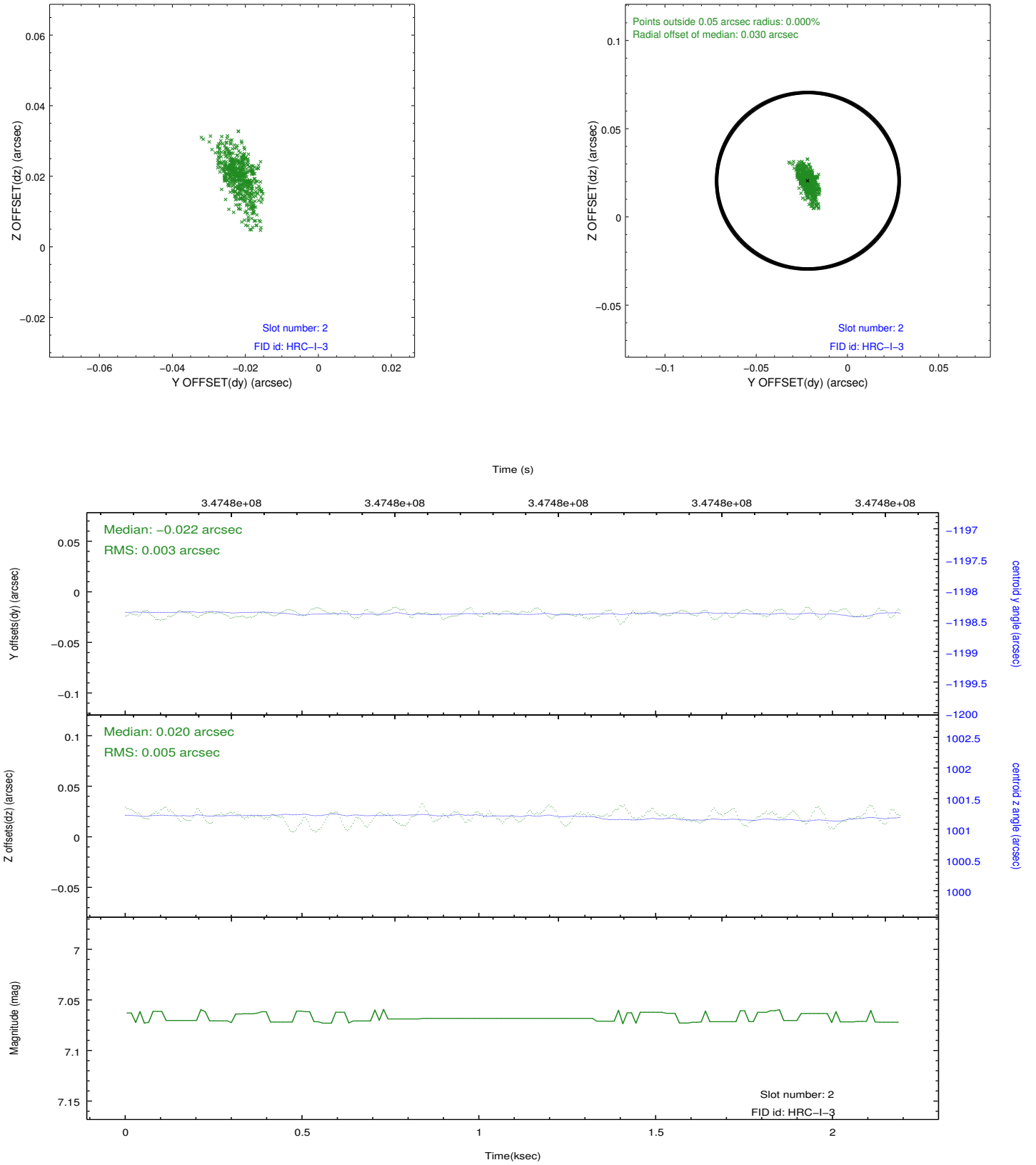
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18863135

A.2 Comments

Window preference met. The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.